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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

DATE: March 4, 2002

SUBJECT: POLREP for the Dead Creek Sediment Removal Site, Sauget, St. Clair County, Illinois

FROM: Kevin Turner, (618) 997-0115, U.S. EPA OSC, Region 5, ERB, RS-1, Marion, IL

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POLREP #: POLREP #8 - PRP Lead

II. BACKGROUND

Response Authority: CERCLA
NPL Status: Non-NPL
Latitude: 38°34'37"N
Longitude: 90°10'47"W
State Notification: November, 2000
Start Date: November, 2000
Completion Date: April 30, 2002 (anticipated)

III. SITE INFORMATION

A. Incident Category

Contaminated sediment removal from a creek bed.

B. Site Description

1. Site location

See initial POLREP for details.

2. Description of threat

See initial POLREP for details.

3. Site background

See initial POLREP for details.

IV. RESPONSE INFORMATION

A. Situation

1. Response activities to date

- The creek bypass system was installed after excavating through streets and placing culverts under them.
- Sediment traps were installed in all segments of the creek, culverts that were fully or partially blocked were cleaned out, and brush and debris were removed from the creek starting with Segment B.
- Safety fences were installed around the creek from Segment B to near Parks College in Segment E and a low-flow channel was dug in Segments D-F to collect water in the middle of the creek and allow sediments near the sides of the creek to dry.
- Grading of the site for the TSCA cell was completed, construction of the walls was completed, riprap and gravel were placed in the bottom of the cell.
- Sediments from Site M, Segment D and Segment E were stockpiled in a containment area in Segment B and Site M was graded and seeded with grass.
- Ten groundwater monitoring wells were installed, purged, and sampled. The storm water treatment tanks were put in place and the utility trench was completed to run from the cell to the tanks.
- The TSCA cell was completed and a completion meeting was held on September 19, 2001.
- Segment B sediment removal activities were completed on November 14, 2001.
- Segment C sediment removal activities were initiated on November 8, 2001 and completed on December 4, 2001.
- Segment F sediment removal activities were initiated on December 5, 2001 and completed on February 6, 2002.
- Confirmatory sampling of creek sediments was initiated in Segments B on November 20, 2001 and completed in Segment F on January 25, 2002.
- Approximately 50,384 cubic yards of contaminated sediment from the creek has been placed in the TSCA cell.

B. Planned Removal Activities

Beginning on September 26, 2001, an estimated 50,384 cubic yards of contaminated sediment were removed from the creek and transferred to a TSCA cell constructed northwest of Dead Creek and Judith Street. The contaminated sediment removal phase has been completed.

C. Next Steps

- Demobilize and decontaminate equipment from creek sediment removal activities.
- Further stabilize sediments in the TSCA cell in preparation for placement of a temporary cover.
- Remove dewatering piping system and ancillary equipment from creek segments.
- Deconstruct wastewater treatment system (WWTS) for TSCA cell followed by transition into a smaller carbon filtration unit.

D. Key Issues

With the removal of creek sediments complete, future activities will include technical review of sediment confirmatory sampling results, demobilization of equipment and personnel, and work associated with installation of the temporary cover on the TSCA cell.

V. COSTS

This removal action is being performed by a PRP under the direction of the U.S. EPA. At this time, the U.S. EPA is not knowledgeable of the costs associated with this removal action.

We usually put in our START cost and EPA cost to date for the project. I would check with my OSC to check with what they wanted to put here for costs.